

ad s ccess a  
c e te ses. T s d c e t as a  
c ect de t " t  
e t t," c ta sa c ete  
de t " a a a ea," a d  
asa c ect c ss- e e e ce.

DATES: E ect e J 19, 2010.

FOR FURTHER INFORMATION CONTACT:

Re ests add t a at  
s d be d ected t L Was t ,  
(202) 720 9815.

SUPPLEMENTARY INFORMATION:

Need C e

As b s ed, t e te e  
c ta st c ect de t s a d  
a c ect c ss- e e e ce.  
T e de t " t e t t t"  
e e s t a " a te e t t c a te ed as a  
t e t t t de State a ." B  
c d e e e c e t " a te e t t,"  
t s de t e s t c t s t s  
be e be a c a t s t e a e t  
a te b a t s. It as t t e  
t e t t e A e c t e s t c t  
e be t s t a te  
e t t e s. T e e e, t e A e c s  
de e t t e d " a te" t e  
de t t e t t t.  
T e 2008 Fa B , c a t e s  
t e R a M c e t e e e Ass sta ce  
P a (RMAP), a de se e a  
e s s t t e a a e a de t  
a s a d s t e e d de t e  
C s d a t e d Fa a d R a  
D e e t e t Act. T e de t  
" a a a ea" a de t e t  
e c des a d a a e t e  
2008 Fa B " a a ea" de t .  
T e e e, t e A e c s e s t s  
de t t b e c s s t e t t e 2008  
Fa B .  
I 4280.315(d)(5) t e te e,  
t e e s a c ect c ss- e e e c e t  
4280.316(e). T e c ect c ss-  
e e e c e s 4280.316(d).

L e 7 CF 4280

B s e s s a s, G a t a s,  
L a a s, M c e t e a s e  
de e t a at ,  
M c e t e e e , R a a e a s, R a  
de e t e t, S a b s e s s.  
■ Acc d , 7 CFR a t 4280 s  
c ected b a t e  
c ect a e d e t s:

PART 4280—LOANS AND GRANTS

■ 1. T e a t t c t a t a t 4280  
c t e s t e a d a s s:  
A : 7 U.S.C. 1989(a), 7 U.S.C. 2009s.

Subpart D—Rural Microentrepreneur Assistance Program

■ 2. Sect 4280.302(a) s c ected  
t e de t " N t e t t t" b  
e t e d s " A a te" a d

add t e acet e d " A ", a d  
t e de t " R a a a ea" s  
e s e d t e a d a s s:

§ 4280.302 Definitions and abbreviations.

(a) \* \* \*  
\* \* \* \* \*  
Rural or rural area. A a e a a  
State t a c t t t a t a s a  
a t e t a 50,000  
a b t a t s, a c c d t t e a t e s t  
de ce a c e s s t e U t e d States,  
a d t e c t s a d a d j a c e t  
b a e d a e a, a d a a e a t a t a s  
b e e d e t e d t b e " a  
c a a c t e " b t e U d e S e c e t a  
R a D e e t, a s t e s e  
de t e d t s d e t . I  
d e t e c c e s s b c s a  
b a e d a e a e t a a a e a,  
t e A e c e c d e a c s t e  
c e s s b c s t a t d t e s e b e  
c s d e e d t a R a A e a  
b e c a s e t e c s t e s a d j a c e t t t  
e t a t c e s s b c s t a t a e  
t e s e c s d e e d t a a a e a  
de t s d e t .  
( ) F t e a s e s t s d e t ,  
c t e s a d t s a e c a t e d  
a t c e t e s t d e t e  
b d a e s, c a s e e e t, a d  
e a e s e t t a c a t e  
a t e d b t e State.  
( ) F t e C e a t P e t  
R c , t e s a d s c s d e e d a a d  
C D P e a a s

**ADDRESSES:** Re ests c Aes t s  
d c e t s d b e s e t t : P b c  
R e e e C e B a c , R 130, F e d e a  
T a d e C s s , 600 P e s a a  
A e e , N . W . , W a s t , D . C . 20580.  
T e c A e t e e c d t s A c e e d  
s a s a a a b e a t t a t a d d e s s .  
R e e a t A t s t e A c e e d ,  
c d t s d c e t , a e a a a b e  
a t (<http://www.ftc.gov>).

I t e e s t e d A t e s a e t e d t  
s b t t t e c e t s e e c t c a  
A a e b t e  
s t c t s t e **SUPPLEMENTARY**  
**INFORMATION** s e c t b e . C e t s  
e e c t c s d b e s b t t e d  
b s t e e b : ([https://  
public.commentworks.com/ftc/  
lamplabels](https://public.commentworks.com/ftc/lamplabels)) (a d t e  
s t c t s t e e b - b a s e d ).

C e t s e d A a e s d b e  
a e d e e e d t t e  
a d d e s s : F e d e a T a d e C s s ,  
O c e t e S e c e t a , R H - 135  
(A e N ) , 600 P e s a a A e e ,  
N . W . , W a s t , D . C . 20580, t e  
a e d e t a e d t e R e e s t

C e t a t t e **SUPPLEMENTARY**  
**INFORMATION** s e c t b e .  
**FOR FURTHER INFORMATION CONTACT:**  
H a t N e s e , (202) 326-2889,  
L e e D d , (202) 326-2981,  
M a t t e W s e , (202) 326-2976,  
A t t e s , D s E c e e t ,  
B e a C s e P e c t , F e d e a  
T a d e C s s , R M - 8102B , 600  
P e s a a A e e , N . W . ,  
W a s t , D . C . 20580.

- SUPPLEMENTARY INFORMATION:**
- ABLE OF CON EN**
- I. I t d c t
  - II. B a c d
  - III. N t c e P A s e d R e a
  - IV. E e c t e e s s C e t L a b e  
R e e e t s
  - V. P b c C e t s a d F a  
A e d e t s
  - A. P d c t C e a e
  - B. P a c a e L a b e
    - 1. T - P a e F a t
    - 2. P a c a e D s c s e s
      - a. B t e s s / L t O t t
      - b. E e U s e / E c e c
      - c. B b L e
      - d. C A A e a c e
      - e. V t a e
  - . M e c
  - . C R e d e I d e ( N t  
I c d e d L a b e )
  - . T t a L e c c e C s t ( N t  
I c d e d L a b e )
  - . O t e D s c s e s ( N t  
I c d e d L a b e )
  - 3. O - L a b e P a c a e C a s
  - C. P d c t L a b e
    - 1. M e c
    - 2. L e s

D. R e a t R e e e t s  
E. T e s t R e e e t s  
F. W e b s t e a d P a e C a t a  
R e e e t s  
G. C s e E d c a t  
H. E e c t e D a t e L a b e  
R e e e t s  
VI. S e c t b S e c t D e s c A t  
F a A e d e t s  
VII. R e e s t C e t  
VIII. P a e R e d c t A c t  
IX. R e a t F e b t A c t  
X. F a R e L a a e

**I. I**  
T e E e I d e a e d e c e a d  
S e c t A c t 2007 ( P . b . L . 110-140 )  
("EISA") d e c t s t e C s s t  
c s d e t e e e c t e e s s t s c e t  
a b e e e e t s " a s ,"  
c e e e d t a s t b b s , a d  
a t e a t e a b e a a a c e s .<sup>1</sup>  
P s a t t t s a d a t e , N e b e  
10, 2009, t e C s s s t  
c e t A s e d e s s t  
e s t a b e e e e t s .<sup>2</sup> H a  
e e e d t e c e t s s b t t e d , t e  
C s s A b s e s a  
a e d e t s t t e A a a c e L a b e  
R e ("R e") (16 C F R P a t 305).<sup>3</sup> T e  
a e d e t s e e a a c t e s t  
A d e b t e s s a d e e - c s t  
a t t e t t b b  
A a c a e s a d a d e t a e d " L t F a c t s "  
a b e t e s d e e a . I a d d t t  
t e s e A a e a b e d s c s e s , t e  
a e d e t s a s e e c e t a  
d s c s e s t e a d c t . T e s e e  
a b e e e e t s s d e A  
c s e s c s e e e e c e t b b s  
t a t e e t t e t e e d s .  
I e e c t a t t e s e c a e s , t s  
d c e t A s d e s b a c d t e  
E I S A A s s a d t e N t c e  
P A s e d R e a ("N P R M"),  
d s c s s e t e A b c c e t s e c e d  
e s a s e t t e N P R M , e a s t e  
C s s ' s t e t t t  
t e a e e c e s t A t e c s e  
e d c a t , e a a s t e e e c t e d a t e  
t e a e d e t s , d e s c b e s s e c t - b -  
s e c t t e a e d e t s t t e R e ,  
e e s t s c e t c e t a s s e s , a d  
a a e s t e A a c t t e a e d e t s  
A s a t t t e P a e R e d c t  
a d R e a t F e b t A c t s .

**II. B**  
E I S A d e c t s t e D e a t e t  
E e ("D O E") t s s e s t e t e e  
e c e c s t a d a d s t

<sup>1</sup> T s d c e t s e s t e t e s a A t b b ,  
a d b b t e c a e a b .  
<sup>2</sup> 74 FR 57950 ( N . 10, 2009 ).  
<sup>3</sup> T e R e s t t e s " R e C e  
D s c s e s R e a d E e C s A t a d  
W a t e U s e C e t a H e A a a c e s A d O t e  
P d c t s R e e d U d e T e E e P c A d  
C s e a t A c t " (" A a a c e L a b e R e ") .

A d c t s . T e s e s t a d a d s , c b e  
2012, e a t e e c e c  
c a d e s c e t t b b s t e  
a e t .<sup>4</sup> T e e a e  
e c e c t b b s c d e  
A d c t s d e a a a b e , s c a s  
c A a c t e s c e t a A s ("C F L s"), a s  
e a s A d c t s e t b e c e  
c e a s a a a b e t e t e ,  
s c a s e c e c s d - s t a t e  
t ( e . g . , t e t t d d e  
("L E D") A d c t s ) .

I c j c t t t e s e e  
e c e c s t a d a d s , E I S A d e c t s t e  
F T C t c s d e t e e e c t e e s s t s  
c e t t b b a b e e e e t s  
a d A s s b e a t e a t e s t e A  
c s e s d e s t a d a d c s e e  
e c e c b b s t a t e e t t e  
e e d s . I A a t c a , E I S A d e c t s t e  
C s s t c s d e a b e  
d s c s e s a d d e s s t e e , t  
a t , a A e , a d t t a e c c e  
c s t .

I e s a s e , J 18, 2008, t e  
C s s A b s e d a A d a c e  
N t c e P A s e d R e a  
("A N P R") (73 F R 40988) s e e  
c e t A t e t a a b e c a e s .<sup>5</sup>  
T e C s s t e e d a A b c  
d t a b e S e a t e b e 15, 2008 .<sup>6</sup>  
C e t e s a d d t a b e  
A a t c A a t s d s c s s e d t e e e c t e e s s  
c e t a b e e e e t s , a s e  
a s e t e a b e a t e a t e s d  
e a c s e s t e A c a s  
d e c s s . F a , t e C s s  
c d c t e d c s e e s e a c t a s s e s s  
A t e t a e s s t t s a b e  
e e e t s .<sup>7</sup>

**III. N e e e e**  
A t e e e t e A N P R a d  
R d t a b e c e t s , a s e a s t e  
c s e e s e a c , t e C s s  
A b s e d a N t c e P A s e d  
R e a ("N P R M") N e b e 10,  
2009. T e N P R M A s e d a - A e  
a b e a t t b b A a c a e s :  
a t A a e d s a a b t e s s a d  
e e - c s t a t , a d a e a  
s d e A a e d s a a " L t F a c t s "  
a b e t a d d t a a t .<sup>8</sup> T e  
A s e d a d a t d s c s e s  
c d e d b t e s s , e e c s t , b b  
e , c A A e a c e , a t t a e , e c  
c t e t , a d t a e s t a d a d  
t a e b b s . T e A s a s a e

<sup>4</sup> 42 U.S.C. 6295(j).  
<sup>5</sup> T e c e t s e c e e d e s a s e t t e  
A N P R a e a t ([http://www.ftc.gov/os/comments/  
lightbulbs/index.shtml](http://www.ftc.gov/os/comments/lightbulbs/index.shtml)).  
<sup>6</sup> A t a s c A t t e d t a b e c a b e d a t  
([http://www.ftc.gov/bcp/workshops/lamp/  
transcript.pdf](http://www.ftc.gov/bcp/workshops/lamp/transcript.pdf)).  
<sup>7</sup> S e e 73 F R 72800 ( D e c . 1, 2008 ); 74 F R 7894  
( F e b . 20, 2009 ). S t d e s t s a e a a a b e a t  
([http://www.ftc.gov/os/comments/lightbulbs/  
index.shtml](http://www.ftc.gov/os/comments/lightbulbs/index.shtml)).  
<sup>8</sup> S e e 74 F R a t 57953, F e 2 .

<sup>11</sup>U ess t e se stated, c e ts d sc ssed  
 t s d c e t e e t t e : B c a a ,  
 R be t #545052-00004; B s-DeMe , Heat e  
 #545052-00005; C s t E e E c e c  
 ("CEE") #545052-00027; DOE #545052-00029;  
 Ea t j st ce #545052-00024; East C a H -tec  
 I d st a at Pa ("ECHIP") #545052-00018;  
 Ed s E ect c I st t e #545052-00023;  
 E e ta C c t e States #545052-00021  
 (a s as t e Q c s e Ca c s "QSC");  
 Estes, Ste e #545052-00007; Ga es e Re a  
 Ut t es #545052-00016; Ga #545052-00003;  
 GE C s e a d I d st a L t ("GE")  
 #545052-00013; G ee Sea #545052-00019; L t  
 E ect cs C ., I c. #545052-00010; a c t t ee  
 t e state e e ta a e ces C ect c t,  
 L s a a, Ma e, Massac etts, M es ta, Ne  
 Y , R de Is a d, Ve t, a d Was t  
 (c ect e e e ed t as IMERC) #545052-00012;  
 Ma ass #545052-00009; M es ta P t  
 C t A e c ("MPCA") #545052-00028; E e  
 E c e c Ad cates (s b tted b Nat a  
 Res ces De e se C c ) #545052-00017;  
 Nat a E ect ca Ma act es Ass cat  
 ("NEMA") #545052-00026; OSRAM SYLVANIA

<sup>9</sup>ENERGY STAR sa ta e e t  
 a ad ste ed b t e E e ta  
 P tect A e c t at de t es -e c e c  
 d cts. See ([www.energystar.gov](http://www.energystar.gov)). See also  
 ENERGY STAR Sa e Labe 11  
 A e d L t e F a R e.

<sup>10</sup>See 74 FR at 57952.

t b s esses a d c s es.
Spec ca , de t e e abe
t ese d cts, te FTC d eed
at de t te a t c a
b bs sed c e a e, as e as
at c ce :1) et e
t ese b bs ses ca ta ts
e e ;2) et e c et b b
des a t te e se,
e, a d c te at e;3) et e
c s es a e e t se -st e
ac a e abe st c a e d cts; a d
4) et e ac a es e te act s
c eate de b de s a act es.
T e e e, te C ss see s
c e t t ese ss es.18 U de t e

18 T e C ss as see sc e t
et e t e abe s d e e bea s e ad
at e ect a s as sed b t e
E e E c e c Ad cates, a d, s, bea
s e ad s d be eas e a d desc bed. I
add t , te C ss see sc e t ss
e a s, c d et e t e e e t t e
de t c s e d ct t e stat te, 42
U.S.C. 6291, a d et e t e a ec
sed
b c s es. F a , t e de t
" ca desce ta " t e a e as bee
c ect t t ac t e c e t stat t a a e
EPCA (42 U.S.C. 6291).
19 42 U.S.C. 6294(a)(2)(D)( ) (II)(bb).
20 T e t cate es a e: eate t a 72 att
ca desce t b bs t e a es bet ee
1490 a d 2600 a d eate t a 72 att d ed
s e ct ca desce ts t e a es 1118
t 1950. See 42 U.S.C. 6295(.).
21 T e e ect e date s d sc ssed sect V.H.

22 74 FR at 57953-60.
23 74 FR at 57953-4. "L t Facts" sa
t ade a e d b t e U.S. G e e t t t e
DOE s d-state t a . T e FTC a d DOE
t et e t c d ate DOE's ta
L t Facts a LED d cts t t e
FTC's a dat abe e e a se ce a s.
DOE e a ed t sc e t s t at, t e s e a
cea se a at bet ee t e t a e ces'
act tes, DOE's c s e ac a e ts d
add ess -based LED e a ce e t a s a d LED
a es, a d t t e ed sce -base LED
b bs c e e d b t e FTC R e.

24 Sect 305.15(b)(1)-(3).
25 74 FR at 57954. Pa t c a ts t e FTC c s
de t ed "b t ess" as t e st t a t
b b att b te. M e e, t e FTC abe st d,
es, de ts a e sc est t e t a ce
b t ess as e ase e at . S a ,
t e ese c c d cted b Nat a Res ces
Ca ada ("NRCa ") d cated t at t e "t t
aces at e e
ac a a eb t esse a de e sa e
e c e c ." Id.
26 21 CFR 101.3(d) a d 101.105(a). FDA c e t
se e ca est at de e
add t a t ac a e t t d sc s es. 74
FR 62786 (Dec. 1, 2009).
27 Sect 305.15(b)(6). A e d L c ta sa
e a e ab a L t Facts abe .







b b a t a d beca sec s es  
t c set esta - at s ste  
t t e ENERGY STAR . H e e ,  
t e E e E c e c Ad cates  
s A A ted t esta at . S pec ca ,  
t e a ed t att e FTC's e sea c  
de st at est ata e - sta s ste  
d c A e e t t e c s t d s c s e .  
I t e e , t e s ste d t  
e A c s e s de t e e e c e t  
b bs, b t d a s be e e se  
a d t s t t a t e d s c s es.  
T e E e E c e c Ad cates ted  
t ese d s e e c s ste t t  
e sea c d cat t at cate ca  
abe e A s t at e c s e s t  
de t a d A c a s e e e c e c  
A d cts. W t e a d t c s e  
e e c e s a b t a t , t e ted t at  
a desc A t s t e FTC s t d  
A e ed A t e a t  
est a d t at c s e e d cat  
be e c e s s a e a d e s s t e  
desc A t .  
T e E e E c e c Ad cates a s  
est ed t e FTC's t e A etat  
t s c s e e sea c . I A t c a ,  
t e ted t at e e e s a de t s  
e ed a b e s b e a t e ENERGY  
STAR , t e FTC s t d d  
d e e c e s e s a s e s b e t e e t e  
e - sta at s ste a d t e  
d s c s es . T e e - sta at s ste  
A e ed A c A a ed t t e  
t e d s c s es e e e t e  
a b e s t e e s t a d a ENERGY  
STAR . I t e e , t e e  
s c e a b e t t e e e s e t e e a  
s A A e e e t . F a , t e  
ted t att e FTC's c e s a b t  
A dat a s t a t s ste e t e  
a s A A e s t a c A a at e a b e  
s ste , c d t s e s e d t e  
FTC's E e G d e A .  
Discussion: T e C s s dec es  
t ad A t a e - sta at s ste .<sup>60</sup>  
W e t e E e E c e c Ad cates  
a s e d A t a t A ts, t e  
C s s 's NPRM add e s s e d a  
t e s e s s e s .  
F s t , t e C s s 's s t d a s e d  
a d c c e s e a d t e e - sta  
s s t e c cat b b a t t  
c s e s . A t a t e a t e t s (i.e.,  
a b e d e s s ) t e s t d e d e d  
c e c t a s e s a b t a t , t e  
s t d 's a A A s e a s t d e t  
A e a c e d e e c e s b e t e e  
a s a b e d e s s a d t t e  
s c a c e e a e s A s e a t e s .

L att e d e e c e s b e t e e  
t e a t e t s , t e s t a t c a s e d  
c s s e t e t a t e e e  
d s c s es.<sup>61</sup>  
S e c d , t e C s s d s t a t a  
e - s t a s s t e c d c a s e c s  
c s e s e t e . F e a A e ,  
D O E 's A c E I S A - a d a t e d  
e c e c s t a d a d s d d a s t c a  
a t e a at s s t e d e e A e d b t e  
C s s a t t s t e . A s a e s t  
s c c a e s , b b s a t e d a s s t a s  
t d a a a t e e t s t a s  
t e e a t e . S c c a e s c d  
c s e c s e s .  
T d , a s t a t s s t e d b e  
e d c t t a t a t a a  
A e a t - c s t d s c s e . W e e a s  
c a e s t A e a t - c s t e s t a t e s  
s A e e e a t e a t c a  
c A t s , c a e s t c a t e c a  
a t s s t e s e e s b j e c t e  
j d e t s . F s t a c e , t e E A e a  
U e c e t a d d c t e a c  
c s e s s t e c a b a t e t e  
a t c a t e e s a A a c e s t s  
e e - a b e A a .<sup>62</sup> T s  
e A e e c e d e s t a t e s c a t  
A c c a e e s t a t c a c A c a t e  
e t s t A d a t e a t s s t e s .  
F a , t e C s s e a s  
c c e d t a t c s e s d  
c s e a s t a t t ENERGY  
STAR . I t e s t d , t e s t a t  
s s t e a s e e t a t e  
d s c s e s t c e a t e c s t  
ENERGY STAR e ENERGY  
STAR A A e a e d t e A d c t .<sup>63</sup>  
T e E e E c e c Ad cates a s s e t  
t a t t b b s d a a e a e d  
t t e ENERGY STAR a d t a t  
t e s t d d d t s c s t  
ENERGY STAR t a t c c s t a c e .  
H e e , b e c a s e ENERGY STAR  
c e t c e s CFLs a d LEDs,  
c s e s e c t e a b b  
A a c a e s t t t e ENERGY STAR  
A . I d e e d , a e t a e A s t s  
b b s b t e c , a c s e  
e a a s e a e b b s

t see a A d c t s a e d t t e  
ENERGY STAR .<sup>64</sup> A s d c a t e d  
t e s t d , t e s e c s e s a c s e  
a s t a a t t ENERGY STAR .  
I A t a t , t e F T C a b e a s t  
c A e e t , t d e t a c t , t e  
ENERGY STAR at . A s t e  
C s s e A a e d t s N P R M , t e  
c b a t t e F T C a b e a d t e  
ENERGY STAR A a A d e s a  
s d a e c e e e  
a t t c s e s a d  
A t e e e c e c .  
S a e c c a , t e F T C a b e d s a s  
d e t a e d e e a t a b t b b s  
e a d e s s e e e c e c , e  
ENERGY STAR A d e s t e U . S .  
G e e t 's A a t  
e c e c A d c t s . T s s s t e , a s a  
e e A d e s a b s t s c e  
e e a t c s e s .<sup>65</sup>

444e E c e c .  
e c c a b a t e t e  
ComEIS nergy-onsin  
DOE ConGIS signed

<sup>60</sup> E a t j s t c e a s s e t e d t a t E P C A e e s  
c A a t e e c e c a t s c a s a s t a -  
a t s s t e . E P C A , e e , a t s t e  
C s s d s c e t t e e b b d s c s e s  
"the Commission deems necessary t e a b e  
c s e s t s e c t t e s t e e e c e t a A s  
c e t t e e e e t s ." 42 U . S . C .  
6294(a)(2)(D) (e A s a s a d d e d ) . T e C s s  
d e s t d e e t s a t c a d s c s e e c e s s a  
e a s s t e d e e .

<sup>61</sup> S a e c c a , a s t e d t e N P R M , e  
e s a d e t s e e a s e d t d e t t e s t e a b e  
b b , t s e e e d t e s t a d e s c A t t e  
t A e e e s e a t e s s e t a t s e  
e e d t e e e d e s c A t s t A d e  
c e c t e s a s e s , c e e " c a t e " t  
s e . " T e A e c e t a e s e s a d e t s  
a s e e d c e c t , e s a b t A e e e  
d e s c A t , e e e e c s t ( 2 9 . 3 6 A e c e t ) ,  
e s A e a t t ( 2 6 . 1 6 A e c e t ) , a d s t a s ( 2 1 . 8 3  
A e c e t ) . 7 4 F R a t 5 7 9 5 6 . 5 1 .

<sup>62</sup> S a e c c a , A c a e s a d t d e t e e  
e t e t e c a b a t e t e A A a c e a t s b  
e t e A - G a d e ( e . g . , A t C ) e s s e e  
e c e t A A a c e s , c e a t e e e a d e s  
( e . g . , A + + ) e e e e c e t A A a c e s . S e e  
" E U e e c e c a b e : a d e b a t e t a a e s  
A t G , " G a d a . C . U . , D e c . 9 , 2 0 0 9 ,  
a v a i l a b l e a t ( [http://www.guardian.co.uk/  
environment/blog/2009/dec/09/energy-efficiency-  
labelling/print](http://www.guardian.co.uk/environment/blog/2009/dec/09/energy-efficiency-labelling/print) ) .

<sup>63</sup> 7 4 F R a t 5 7 9 5 6 . 5 2 .

<sup>64</sup> C e t , a e b b s d t a a s  
ENERGY STAR A d c t s . S e e ( [www.energystar.gov/  
index.cfm?c=products.pr\\_find\\_es\\_products](http://www.energystar.gov/index.cfm?c=products.pr_find_es_products) ) ( s t  
ENERGY STAR c e e d t A d c t s ) .

<sup>65</sup> T e C s s a s e j e c t s G e e S e a ' s  
e e s t t a a a c t e s t t a A c e  
t e c e t c a t t e a b e e t t e  
ENERGY STAR . T e A A e a c e s c a  
a e e d e e t a b e a  
e e t e d s e e t t a d e s t e s t a d  
d e t a c t ENERGY STAR . N t t e a  
a e d e t s A b s t e s e c e t c a t a s  
t e A a e . H e e , t e a a c t e a s t  
a e s b s t a t a e e s s A e d  
c a s e e a t e d b s c c e t c a t s . S e e 1 6 C F R  
P a t 2 6 0 ( F T C ' s " G e e G d e s " ) .

<sup>66</sup> 7 4 F R a t 5 7 9 5 6 .



d st .T e E e E c e c  
 Ad cates a eed, A ed ct t at  
 c s e s a e eate ec t  
 a d te est e s a e att t e  
 t e, es a c a a t e e e tat  
 EISA's b c ed cat A a s.  
 OSRAM a s a ed a ta  
 e s a e att d sc s e, as se t  
 t at t s e e t a bec e t e  
 A e e t et d c cat  
 e e e c e c e e a s e ce  
 a s. OSRAM e a a ed t at, e  
 " e s a e a " e ec,  
 e s a e att a s c s e s t  
 c a e e c e c ac s s d ct t A es  
 a d b a ds.

*Discussion:* Des a t e t e s e c e t s,  
 t e a a e d e t s d ta  
 e s a e att t e L t Facts  
 abe . T e F T C des e d t s L t  
 Facts abe t a c a c s e s, a d,  
 as de st ated b t e F T C's e s e a c ,  
 t e c s s e s a e att  
 at e t a s s t t e s e  
 c s e s. As deta ed t e NPRM,  
 e s a e att a e d a  
 e A e s a de t s a s e e e se  
 a d e c e c e s t s. <sup>67</sup> M e e,  
 beca se c s e s a e t e t a a  
 t t e b a s c c ce a t e s, t e  
 e c A e e s a e att  
 d s c s e e d b e ed  
 ca sec s , de c s e s'  
 t a s t t s e s.  
 Add t a , as d s c s s e d ab e,  
 e s a e att c d e ad c s e s  
 t c s e b b s t a t a e b t e t a  
 e e d e d. N e t e e s s, t t e  
 R e a b t s a act e s  
 A d e s a e att at  
 e s e e e t e a c a t e  
 a e t a t e a s. I add t , ce  
 c s e s bec e e a a t  
 t e c ce a t e s, t e C s s  
 ca e s t e t e t e e, a ,  
 e s a e att t e abe. <sup>68</sup>

<sup>67</sup> 74 FR at 57956.  
<sup>68</sup> QSC a d MPCA ec e ded t at t e a  
 a e d e t s e e a act e s t d s c s e a  
 b b's "A e act" at t e abe a s a t e  
 d cat e e e c e c . P e act , c  
 s e a e s s e d a a b e b e t e e O a d 1, s a  
 e a s e t e e c e c t c a d e c e s e s  
 t e a e a d e a a a b e t t e e e c t c  
 d. Be ca s e t e a e s d e t a e e c s t s a e  
 ca c ated, a b b's A e act at d e s t  
 A act a c s e's e s d e t a e e c s t s.  
 H e e, t e des a e d s e b b s t  
 A e e act at s c d a s t e A act t e  
 e a e c e c t e e e c t c d a d t s, a e  
 a b e c a e e c t t e e e t. I t s t c e a  
 t e s e c e t s e t e c s e s  
 de s t a d t s t e t e a b b's A e  
 act at s, bec e, A t a t t  
 c s e s. Acc d , t e C s s s t  
 e t s d s c s e. H e e, t e C s s  
 see s c e t e t e t s d s c s e s d  
 be ec s d e d t e C s s e a e s t e  
 e a a s a e t t e d b EPCA. See sect V.A.

.Watta e  
 I ts NPRM, t e C s s  
 A sed e att a e t e  
 L t Facts abe a d t t e t  
 t e a c a e. <sup>69</sup> T e C s s  
 e A a ed t at, A e s e t , c s e s  
 se att a e a s a b t e s s.  
 T e e e, a a dat att a e  
 d s c s e t e a c a e t c d  
 A e d e c s e s' t a s t t e s  
 a s t e e a b t e s s d cat  
 e e c e c b b s. Att e s a e t e,  
 as t e d t e NPRM, t e A sed  
 a e d e t s e t a e d a e s s A e t  
 att a e d s c s e t e L t Facts  
 abe beca se A e c s e att a e  
 at a b e A t a t t  
 c s e s e e t e s e a b b d e s  
 t e c e e d t e a att a e  
 a abe a a a t c a t e.

*Comments:* Ga a ed t at b  
 a t e att a e d s c s e s s  
 A e t e t e C s s a e t  
 d c t c s e s t d e t e  
 e t e a b b e e t s t e att a e  
 at s c e t a a t e s.  
 S a e c a , Ga e c e d e d t at  
 att a e a A e a s t e s e c d d s c s e  
 t e L t Facts abe e d a t e  
 a t e e s.  
 T e E e E c e c Ad cates  
 a e d t at t e C s s s d  
 c a e t e A sed "e e sed"  
 desc A att a e t a e  
 t e c c a c e c t t e s c a s "A e"  
 "e e c t c t sed." T e a e d t at  
 t e A sed d A e a e t a t e s  
 c s e c s a b t t e  
 d e e c e b e t e e A e a d e e . <sup>70</sup>  
 I c t a s t, b t N E M A d G E d  
 "e e sed" ac ce t a b e.

*Discussion:* T e a a e d e t s  
 c t e t e e e att a e a s t e t  
 d s c s e t e L t Facts abe. <sup>71</sup>  
 As d s c s s e d t e NPRM, a  
 c s e s e att a e a s a A  
 b t e s s. <sup>72</sup> T e e t e t t e a  
 a desc A t t e L t Facts  
 abe a e s t e e t at  
 c s e s e t at desc A t , t e  
 t e desc A t s s t e d b e e att s  
 t e abe b t e s s, e e c s t, e,  
 a d c a A e a c e a e e  
 A t a t a t t b t e s c s e s t  
 c s d e e c s e e c e c  
 b b s. I a e e t, t e e s e d e c e  
 t a t t e e a c desc A t s t e  
 L t Facts abe a t e a A acts  
 c s e s' A e ce a t e desc A t  
 e a t e.  
 T e a a e d e t s c t e t  
 e e t e t e "e e sed" t

<sup>69</sup> 74 FR at 57954.  
<sup>70</sup> T e E e E c e c Ad cates t e d t at,  
 t e c a , att a e s a e a s e A e e  
 W s a e a s e e e .  
<sup>71</sup> Sect 305.15(b)(3) (.  
<sup>72</sup> 74 FR at 57952.

desc be att s t e abe. <sup>73</sup> W e t e  
 t e "A e" s t e c a acc a t e,  
 "e e sed" a s a A e a e d t e abe  
 e a t t e d e c a d e s t a  
 a A e t A b e s. I add t , s e  
 c s e s t c e c t t e A e t  
 t e t e "A e" t e a t e t t e s t e t  
 t A t .

c. B b L e  
 I ts NPRM, t e C s s  
 A sed a b b e d s c s e s t a t e d  
 e a s ( d e d t t e e a e s t t e t a  
 e a , e.g., 1.1 e a s), c d b e  
 ca c a t e d a s s a e t e e  
 s a e d a. <sup>74</sup>

*Comments:* S e e a c e t e s  
 s A t e d t e A sed b b e  
 d s c s e. <sup>75</sup> I a t c a , C E E t e d  
 t a t t s A a c e s e s t a t a  
 a a c t e s d c a c a t e e  
 b a s e d A t e s a e a s s A t s.  
 T e E e E c e c Ad cates,  
 e e , b j e c t e d t a b b e  
 d s c s e s t a t e a s,  
 e c e d a t t a - s d s c s e.  
 F s t, t e a s s e t t a t A e d c a t a  
 e d s c s e a s a e a s s A t s  
 s e a d b e c a s e s c a a s s A t  
 a s t a c c t s b s t a t a  
 d e e c e s s a e a c s e s.  
 S e c d, t e a s s e t t a t a d s c s e  
 s t a t e d s s e e e c t e  
 c e d e e c e s b b e t a  
 a d s c s e e a s.

*Discussion:* C s s t e t t t e  
 NPRM, t e a a e d e t s e e a  
 b b e d s c s e s t a t e d e a s  
 d e d t t e e a e s t t e t c a c a t e d  
 a s s b b s a e t e e s a e  
 d a. <sup>76</sup> F t e e a s s s t a t e d t s  
 NPRM, t e C s s d s t a t t s  
 e d s c s e b e e s e t  
 c s e s t a a d s c s e e e e s s e d  
 t t a s. I a t c a , t e  
 s t d, e s a de t s s e d a s t  
 A e e e c e e e a s e e e  
 s a d t e N R C a e s e a c t e d  
 t a t c s e s a e d c t e a t  
 s s e t b b e. <sup>77</sup>

T e E e E c e c Ad cates'  
 b s e a t t a t e a c c s e s' b b  
 s a e d e s s d b t e d c e c t.  
 H e e, d s c s e t e t e e  
 A e d a s a e a s s A t t e  
 L t Facts abe a  
 c s e s t c A e t a t a s s A t  
 t t e e A e c t e d s e. M e e, b  
 d t t e e a e s t t e t a e a,  
 t e d s c s e c c a t e  
 s c a t d e e c e s b b e t  
 c s e s. F e 7 0 A 8 c a c J 779 3 9 4 e 953

<sup>73</sup> Id.  
<sup>74</sup> 74 FR at 57956-7; see P t t A e L a b e 6.  
<sup>75</sup> CEE, GE, a d N E M A c e t s.  
<sup>76</sup> Sect 305.15(b)(3) (.  
<sup>77</sup> 74 FR at 57957.

<sup>78</sup>DOE ted t at t s t e b b e test et d es LED a s, c ca ast a ea s a d t s e s e t e test c a e es. T e C ss st ec e ds t at a act es se DOE da ce as t bec es a a ab et s bsta tate e ca s LEDs.

<sup>79</sup>ECHIP ed t e C ss t c s de a b b ed sc s et at s s t e be s ab b e ate be e t ses 50 e ce t ts ta e at . ECHIP d d t a de a e de ce t at b b t t d s es s ca t e t e, d d t s est a et c eas a s c ed ct t t. T e e e, t e C ss dec est ad t s d sc s e.

<sup>80</sup>74 FR at 57957.

<sup>81</sup>L t c a a a ce se de ced s ce t ca b c eated c te a e at e, c s eas ed Ke ("K"). S c c eas e e ts e ea a e bet ee 2700K a d 6500K. B bs t e eas e e ts (e.g., 2700K) d ce t t at a s e s a a ce. B bs t e eas e e ts d ce t t at s te (e.g., 4100K) b es (e.g., 6500K). T s, a e c eated c te a e at e act a es ts a c e b b a a ce.

<sup>82</sup>As d sc ssed t e NPRM, a c s es a t de sta d t e c ce t c a a ce. H e e, t e a e e t ea ab t, a d a ce ee a s s, c a a ce as e d ct e e et at a de a et c te a e at es. I deed, t e esea c s ested t at ce es a de ts beca ea a e t e c ce t c a a ce, t beca ea a ta t ss et t e . 74 FR at 57957 . 56.

<sup>83</sup>CEE, NEMA, a d GE c e ts.

<sup>84</sup>Sect 305.15(b)(3)( ).

<sup>85</sup>Sect 305.15(b)(4)( ).

<sup>86</sup>T e C ss a s c s de ed e t e c es a abe s b t e jected s c ac se beca se t d ce a act est se c t t e bac s de a c a e a es

a t e c e ed d cts. T e be e t e ded b t e c sca ed es t j st t s b de .

<sup>87</sup>Sect 305.15(b)(3)( ).

<sup>88</sup>T e C ss s t t e Ke be d sc s e t t e t t e sca e as s ested b NEMA. T e be be e e t be t e sca e beca se t be t e at sted t e e. I t e be ee ed t t e t t e sca e, a t c a be c dc dt e t e s " a "

"c , " es p e e .

<sup>89</sup>ANSI C78.376 ("A e ca Nat a Sta da d Spec cat s t e C at ct -0029 T 00

Discussion: The amendments to the act establish the following facts:

1. Mercury

In the NPRM, the Commission considered the CFLs standards. The Commission stated: "The Commission has concluded that the current standards for CFLs are not adequate to protect public health and the environment. The Commission is therefore proposing to amend the standards for CFLs to require that they contain no mercury. The Commission estimates that the proposed standards will reduce mercury emissions from CFLs by 90 percent. The Commission also estimates that the proposed standards will reduce the amount of mercury in the waste stream by 90 percent. The Commission believes that the proposed standards are justified because they will significantly reduce mercury emissions and the amount of mercury in the waste stream, and because they will not impose an undue burden on manufacturers and consumers. The Commission is therefore proposing to amend the standards for CFLs to require that they contain no mercury. The Commission estimates that the proposed standards will reduce mercury emissions from CFLs by 90 percent. The Commission also estimates that the proposed standards will reduce the amount of mercury in the waste stream by 90 percent. The Commission believes that the proposed standards are justified because they will significantly reduce mercury emissions and the amount of mercury in the waste stream, and because they will not impose an undue burden on manufacturers and consumers."

See Sessa: necessary 94C 14a 0 ede a

<sup>92</sup> B CFLs can be easily recycled. The act requires that CFLs be recycled. The act also requires that CFLs be recycled in a way that does not harm the environment. The act also requires that CFLs be recycled in a way that does not harm the environment. See (<http://www.epa.gov/epawaste/hazard/wastetypes/universal/lamps/basic.htm>).

<sup>93</sup> 74 FR at 57958. The NPRM also considered the CFL standards. The Commission stated that the proposed standards for CFLs are justified because they will significantly reduce mercury emissions and the amount of mercury in the waste stream, and because they will not impose an undue burden on manufacturers and consumers.

<sup>94</sup> ENERGY STAR is a program that encourages consumers to purchase energy-efficient products. The act requires that CFLs be recycled in a way that does not harm the environment. The act also requires that CFLs be recycled in a way that does not harm the environment. See ([www.epa.gov/bulbrecycling](http://www.epa.gov/bulbrecycling)) and ([www.lamprecycle.org](http://www.lamprecycle.org)). NEMA estimates that the proposed standards will reduce mercury emissions from CFLs by 90 percent. The Commission believes that the proposed standards are justified because they will significantly reduce mercury emissions and the amount of mercury in the waste stream, and because they will not impose an undue burden on manufacturers and consumers. See ([www.lamprecycle.org](http://www.lamprecycle.org)).

<sup>95</sup> The NPRM also considered the CFL standards. The Commission stated that the proposed standards for CFLs are justified because they will significantly reduce mercury emissions and the amount of mercury in the waste stream, and because they will not impose an undue burden on manufacturers and consumers. The Commission also estimates that the proposed standards will reduce mercury emissions from CFLs by 90 percent. The Commission believes that the proposed standards are justified because they will significantly reduce mercury emissions and the amount of mercury in the waste stream, and because they will not impose an undue burden on manufacturers and consumers. See (<http://www.epa.gov/epawaste/hazard/wastetypes/universal/lamps/basic.htm>).

<sup>98</sup> EPA, Mercury Releases and Spills, available at ([www.epa.gov/hg/spills](http://www.epa.gov/hg/spills)).

<sup>99</sup> ECHIP is a program that encourages consumers to purchase energy-efficient products. The act requires that CFLs be recycled in a way that does not harm the environment. The act also requires that CFLs be recycled in a way that does not harm the environment. See (<http://www.epa.gov/epawaste/hazard/wastetypes/universal/lamps/basic.htm>).

<sup>100</sup> IMERC estimates that the proposed standards will reduce mercury emissions from CFLs by 90 percent. The Commission believes that the proposed standards are justified because they will significantly reduce mercury emissions and the amount of mercury in the waste stream, and because they will not impose an undue burden on manufacturers and consumers. See (<http://www.epa.gov/epawaste/hazard/wastetypes/universal/lamps/basic.htm>).

<sup>101</sup> EPA's estimates that the proposed standards will reduce mercury emissions from CFLs by 90 percent. The Commission believes that the proposed standards are justified because they will significantly reduce mercury emissions and the amount of mercury in the waste stream, and because they will not impose an undue burden on manufacturers and consumers. See ([www.epa.gov/epawaste/hazard/wastetypes/universal/lamps/faqs.htm](http://www.epa.gov/epawaste/hazard/wastetypes/universal/lamps/faqs.htm)).

<sup>102</sup> ENERGY STAR c e t e e s t e "H " s b a c a a CFLs. See *ENERGY STAR Program Requirements and Criteria for CFLs - Version 4.0*, available at ([www.energystar.gov/ia/partners/product\\_specs/program\\_reqs/cfls\\_prog\\_req.pdf](http://www.energystar.gov/ia/partners/product_specs/program_reqs/cfls_prog_req.pdf)). I add t , IMERC ted t at C e c t e e s t e H s b . See C . Ge . Stat. 22a-619( ) (7).

<sup>103</sup> See P t t e Labe 6.

<sup>104</sup> See, e.g., Vt. Stat. A . t t. 10 7106(d) (Ve t); La. Ad . C de t t 33, 2713(F)(2) (L s a a); 06-096 Me. C de. R. C . 870 5(B) (Ma e); 12-030-030 R.I. C de R. 8.3.2.4 (te t t a e e s e d e b e) (R de l s a d).

<sup>105</sup> 74 FR at 57960.

<sup>106</sup> A sta da d ca desce t b b as a CRI  
100. *Id.*

<sup>107</sup> 42 U.S.C. 6295( ) (B) ( ).

<sup>108</sup> See R dtab e T ., H t at 91 ("W t t e t d st , t's ass ed ' e 80,





s bsta t a e t se t s a ea,  
 e e , t e a a e d e t s c d e  
 LM-79 as a - e e d t e s t  
 ced e t a t t e C s s d e e s  
 a c c e t a b e t s b s t a t a t e t t  
 a d c t e a e a t e d s c s e s  
 LEDs.<sup>135</sup>

I add t , j s t a s t a d a c e d t e  
 e e c t e d a t e t e e t  
 e e e t s , t e C s s a s  
 a d a c e s t e e e c t e d a t e t e  
 t e s t e e e e t s e e a s e c e  
 c a d e s c e t a s , e e a s e c e  
 e s c e t a s , a d e d - b a s e  
 CFL s t c c d e t t e e e c t e d a t e  
 t e a b e e e e t s .  
 S p e c c a , a a c t e s s t b a s e  
 a L t F a c t s a b e d s c s e s  
 t e s e b b s a a c a b e D O E t e s t s ,  
 e e s t , t e c a t e t a d  
 e a b e s c e t c t e s t s .

**F. Website and Paper Catalog Requirements**

I t s N P R M , t e C s s  
 sed e e b s t e s a d a a e  
 c a t a s s e t b b s t d s c s e  
 t e s a e a t t a t a a e a s  
 t e L t F a c t s a b e a a e  
 c s s t e t t s e c t 305.20.<sup>136</sup>  
 M e e , t e c a e  
 d s c s e s a d t e d c e t e b d e  
 a a e c a t a a d e e c a t s , t e  
 sed a e d e t s e t t e d , b t  
 d d t e e , a e t e s t c a b  
 s t a a e t e L t F a c t s  
 a b e e a c c e e d b b . T e s e  
 sed a e d e t s d e s e  
 t a t c s e s s e a d  
 a a e c a t a s a e a c c e s t t e s a e  
 a t a s c s e s s  
 s t e s .

*Comments:* T e C s s e c e e d  
 c e t s t s a s a .

*Discussion:* T e a a e d e t s  
 a t a t e e e e t s a a s e d  
 t e N P R M t e c a e .<sup>137</sup>  
 C s s t e t t e a c a b e  
 e e e t s a a a c e s , t e a  
 a e d e t s e t e b s t e a d a a e  
 c a t a s e e s t a d t e a d c e t e  
 L t F a c t s a b e t s e t e t t  
 t t e t a a e a c e t e a e a t e  
 s c a e a d a e a K e  
 t e a e a t e d s c s e ( e . g . , 2700 K ) .  
 T s c a e s d e s e d t a d d e s s  
 d c t e s s e e a d c a t a  
 a e t e s t a e e a d c t e  
 s c a e . N e t e e s s , t e C s s  
 e c a e s e a d a a e c a t a

<sup>135</sup> T e C s s e c e d s t a t L E D  
 a a c t e s c s t t D O E d a c e  
 s b s t a t e c a s L E D s .

<sup>136</sup> 74 FR at 57960-1. T s e e e t c t s  
 t E P C A , c e e s c a t a s t " c t a a  
 a t e e d t b e d s a e d t e a b e ,  
 e c e t a s t e s e a d e d b e t e  
 C s s . " 42 U . S . C . 6296(a) .

<sup>137</sup> Sect 305.20.

a e t e s s t e a d c e t e  
 L t F a c t s a b e e s s b e t  
 de a t t c s e s a  
 c e a , a a a t .

**G. Consumer Education**

I t s N P R M , e s a s e t E I S A ' s  
 a d a t e t a t t e F T C t D O E  
 a d t e a e c e s t c d c t a  
 a c t e a t a a  
 c s e a a e e s s , a t , a d  
 e d c a t , " t e C s s e a a e d  
 t a t t s c s d e a s a a a c e s  
 t c s e e d c a t a b t e e  
 e c e t t c c e s .<sup>138</sup> T e N P R M  
 t e d t a t c s e e d c a t a  
 c d e a d e t a e d c t e a e a t e  
 s c a e s a t t a t c s d e e d  
 N R C a ' s e s e a c a d c e t s e d  
 D O E ' s s d - s t a t e t a a .<sup>139</sup>

*Comments:* N E M A , G E , C E E , a d

E s t e s s t e d e t e s e e d c a t  
 e t s t e a c s e s d e s t a d

C a / 65.3(s) e s s T 51 e e s a t c a b

<sup>138</sup> 74 FR at 57961.

<sup>139</sup> See (<http://www.lighting-facts.com>).

<sup>140</sup> 59 FR 25176 (Ma 13, 1994).





adj st e t e ea est ated  
 100 s a e a act e .<sup>146</sup>  
 A a ed as e ea e ect e  
 a s a e c t e 3- ea P R A c ea a ce, t s  
 a e a est 33 s a e ea . T s, t e  
 a b e d e s c a e e s t  
 c a t e b d e 1,650 s (50  
 a a c t e s 33 s). I est at  
 t e a s s c a t e d a b c s t, t e  
 C s s a s s e s t a t t e a b e  
 d e s c a e b e a e e t e d b  
 a a c d e s e s a t a a e a t e  
 \$22.70 a e b a s e d B e a  
 L a b S t a t s t c s a t .<sup>147</sup> T s,  
 t e C s s e s t a t e s a b c s t  
 t s a d j s t e t t a t \$37,455 (1,650  
 s \$22.70 a e ).  
 T e C s s e s t a t e s t a t t e  
 e - t e c a t a c s t c a  
 t b b a c a e a d a d c t a b e  
 b e \$6,540,000, d e t e d a s  
 s . U s t e c s t e s t a t e s  
 s e s t e d b V a c , t e e s t a t e  
 t e e - t e c a t a c s t t e a c a e  
 a b e c a e s \$5,340,000. T s  
 e s t a t e s b a s e d t e a s s a t s  
 t a t a a c t e s a e t c a e  
 4,000 t e t a 6,000 d e a c a e s  
 d e t t e e e e e s t s<sup>148</sup> a d t a t  
 a c a e a b e c a e s e a c a d c t  
 c s t \$1,335.<sup>149</sup> A s a d c t  
 a b e , c e t e a d e d  
 s p e c c e s t a t e s t e c s t e d .  
 M a c t e s a a c e a t  
 a d c t s t e a c s e  
 b s e s s . I t e a b s e c e c s t d a t a , t e  
 C s s a s s e s t a t t e e - t e  
 a b e c a e c s t \$200 a e  
 d e a e s t a t e d t a  
 \$1,200,000 (6,000 d e s \$200).  
 A a e d t e c t e t a 3- e a  
 P R A c e a a c e, t e s e - a b c s t s  
 d a e a e \$2,180,000.

**Color Temperature: A t t e**  
 C s s e a c t s t a t a

C s s e s t a t e s t a t t e e a e 6,000  
 b a s c d e s c e e d b i e R e . T s s a  
 c e a s e t e F T C ' s a e s t a t e 2,100  
 b a s c d e s . S e e 74 F R a t 57963.  
<sup>146</sup> T e C s s a s c e a s e d t s e s t a t e  
 t e s e e d t a e t s c a e 80  
 s a e a a c t e , a s s t a t e d t e N P R M , t  
 100 s a e a a c t e . T s c a e a s a d e  
 e s a s e t c e t s d s t e b e s  
 t e e a s e t a t e s t a t t e C s s ' s b d e  
 e s t a t e s e e t .

<sup>147</sup> See ([http://www.bls.gov/ncs/ncswage2008.htm#Wage\\_Tables](http://www.bls.gov/ncs/ncswage2008.htm#Wage_Tables)) (Nat a C a e s a t S e : O c c a t a E a s t e U t e d S t a t e s 2008, U . S . D e a t e t L a b (A s t 2009), B e t 2720, T a b e 3 ("F - t e c a e s , " e a a d e d a a e s ), a t 3-12).

<sup>148</sup> O t e t e c s e a e a , a a c t e s a e e t c a e a a t e 1/3 t e a b e s d t e a c s e b s e s s . T e e e a c a a c e a e d a d t e t c e a d e d b t s a c e e d s d e t e e d t a t a a c t e s a e t d s c a d a c a e e t . S e e , e . g . , F D A L a b e C s t M d e a t 4-3 . I a d d t , a a c t e s a s e s t c e s e d s c a d e t .

<sup>149</sup> See V a c c e t .

a a c t e s a e a d c d c t t e s t  
 c e a t e d c t e a e a t e t e  
 a c s e b s e s s ( e . g . , e e t  
 E N E R G Y S T A R c t e a ) , t e a  
 a e d e t s a e e a a c t e s  
 t c d c t a d d t a t e s t . T e  
 C s s a s s e s t a t  
 a a c t e s a e t t e s t a b t  
 a t e b a s c d e s ( 3,000 b a s c  
 d e s ) a t 0.5 s e a c d e  
 a t t a 1,500 s .<sup>150</sup> I c a c a t  
 t e a s s c a t e d a b c s t e s t a t e , t e  
 C s s a s s e s t a t t s  
 b e a e e t e d b e e c t c a e e e s  
 a t a b a e a t e \$39.79 a e  
 b a s e d B e a L a b S t a t s t c s  
 a t .<sup>151</sup> T s , t e C s s  
 e s t a t e s t a t t e e a b e d e s  
 c a e e s t a s s c a t e d a b  
 c s t s a a a t e \$59,685 (1,500  
 s \$39.79 a e ) . T e  
 C s s d e s t e a c t t a t t e  
 a a e d e t s c e a t e a  
 c a t a t e - a b c s t s s c  
 t e s t .  
 A c c d , t e e s e d e s t a t e d  
 t a b d e t e a e d e t s s  
 3,150 s (1,650 s a c a  
 a d a b e + 1,500 s  
 a d d t a t e s t c e a t e d c  
 t e a e a t e ) t a s s c a t e d a b c s t s  
 \$97,140 a d a a e d c a t a  
 t e - a b c s t s t a  
 \$2,180,000.<sup>152</sup>

**I . e F e A**

T e R e a t F e b t A c t  
 ("RFA"), 5 U.S.C. 601-612, e e s t a t  
 t e C s s a d e a I t a  
 R e a t F e b t A a s s ("IRFA")  
 t a a s e d e a d a F a  
 R e a t F e b t A a s s  
 ("FRFA"), a , t t e a e ,  
 e s t e C s s c e t e s t a t t e  
 R e t a e a s c a t  
 e c c a c t a s b s t a t a  
 b e s a e t t e s .<sup>153</sup>  
 T e C s s e c e s t a t s e  
 t e a e c t e d a a c t e s a  
 a a s s a b s e s s e d t e  
 e e a t t e s d s . H e e , t e  
 C s s d e s t e a c t t a t t e  
 e c c a c t t e a s e d  
 a e d e t s b e s c a t . I a  
 e e t , t e a b d e , t e  
 C s s a s t a d e

T e C s s e c e s t a t s e  
 t e a e c t e d a a c t e s a  
 a a s s a b s e s s e d t e  
 e e a t t e s d s . H e e , t e  
 C s s d e s t e a c t t a t t e  
 e c c a c t t e a s e d  
 a e d e t s b e s c a t . I a  
 e e t , t e a b d e , t e  
 C s s a s t a d e

<sup>150</sup> T e C s s a s s e s c s e a t e t a t a a c t e s c d c t e t e s t 3,000 t t e 6,000 e s t a t e d c e e d a d c t s .

<sup>151</sup> See ([http://www.bls.gov/ncs/ncswage2008.htm#Wage\\_Tables](http://www.bls.gov/ncs/ncswage2008.htm#Wage_Tables)) (Nat a C a e s a t S e : O c c a t a E a s t e U t e d S t a t e s 2008, U . S . D e a t e t L a b (A s t 2009), B e t 2720, T a b e 3 ("F - t e c a e s , " e a a d e d a a e s ), a t 3-4).

<sup>152</sup> T e e s t a t e s c d e d t e N P R M e e 2,384 s , \$72,062 ( a b c s t s ), a d \$0 ( c a t a c s t s ) . S e e 74 F R a t 57963.

<sup>153</sup> See 5 U.S.C. 603-605.

a a c t e s t a a e t e t  
 e e t t e a s e d c a e s . T e  
 C s s e s t a t e s t a t t e s e  
 e e e s t s a a t a b e t 50  
 a d c t a a c t e s a d a  
 a d d t a 150 e a d a a e c a t a  
 s e e s c e e d a d c t s . T e  
 C s s e a c t s t a t a a a t e  
 150 t e s e e t t e s a a s s a  
 b s e s s e s .  
 T e C s s d e s t a t c a t e  
 t a t t e a e d e t s a e a  
 s c a t e c c a c t a  
 s b s t a t a b e s a e t t e s .  
 A t t e C s s c e t e d  
 d e t e R F A t a t t e a e d e t s  
 d t , a t e d , a e a  
 s c a t a c t a s b s t a t a  
 b e s a e t t e s , t e  
 C s s a s d e t e d ,  
 e t e s s , t a t t s a a a t e t  
 a b s a F R F A d e t e a t e  
 a c t t e a e d e t s s a  
 e t t e s a s :

**A. Statement of the Need for, and Objectives of, the Amendments**

S e c t 321(b) E I S A e e s t e  
 C s s t c d c t a e a t  
 c s d e t e e e c t e s s t e a  
 a b e a d t c s d e a t e a t e  
 a b e a a a c e s . T e b j e c t e  
 t e e a s t a e t e  
 e e c t e s s t e c e t a a  
 a b e a . E I S A d e c t s t e  
 C s s t c s d e e t e  
 a t e a t e a b e a a c e s d  
 e a c s e b e t t e d e s t a d e  
 e c e c a a a d c t s a d e a  
 t e c s e a a s t a t e e t t e  
 e e d s . I a t c a , t e a d e c t s t e  
 C s s t c s d e a b e  
 d s c s e s t a t a d d e s s e  
 e e d s a t a b t t  
 e e , t a t , a a e t e , a d  
 t t a e c c e c s t .

**B. Issues Raised by Comments in Response to the IRFA**

T e C s s d d t e c e e a  
 c e t s a e c c a e a t e t t e  
 a c t t e a s e d a e d e t s  
 s a b s e s s . S e c t s V . A . , V . B . 2 . ,  
 V . C . 1 , V . C . 2 , a d V . H d s c s s e e a  
 c e t s e a t e t t e a t  
 b d e t e a a e d e t s .

**C. Estimate of Number of Small Entities to Which the Amendments Will Apply**

U d e t e S a B s e s s S e  
 S t a d a d s s e d b t e S a B s e s s  
 A d s t a t , a a a c t e s  
 a a s s a b s e s s e s t e a e  
 e e t a 1,000 e e s ( t e  
 s e d a a a c e s t e e s 500  
 e e e s ) . L a a c a t a s e e s a  
 a s s a b s e s s e s t e s a e a e s s  
 t a \$8.0 a a . T e  
 C s s e s t a t e s t a t t e e a e



(K) A se ce a as de ed at 42 U.S.C. 6291(30);

(L) A s atte - es sta t a ( c d a s atte - a a d a s atte - tected a );

(M) A s se ce a ;

(N) A s e b a ;

(O) A s case a ;

(P) A t a c s a a ;

(Q) A b at se ce a as de ed at 42 U.S.C. 6291(30);

(R) A G s a e a (as de ed ANSI C78.20 2003 a d C79.1 2002) t a d a e t e 5 c es e;

(S) A T s a e a (as de ed ANSI C78.20 2003 a d C79.1 2002) a d t at ses t e t a 40 atts as a e t e t a 10 c es;

(T) A B, BA, CA, F, G16 1/2, G 25, G30, S, M 14 a (as de ed ANSI C79.1 2002 a d ANSI C78.20 2003) 40 atts ess.

(4) *Incandescent reflector lamp* ea s a a desc bed a a a ( ) (1) ( ) t s sect ; a d

(5) *Tungsten-halogen lamp* ea s a as- ed t ste a e t ca desce t a c ta a ce ta t a es a e t as.

( ) *Light-emitting diode (LED)* ea s a j ct s d state de ce t e ad ated t t c s a ct t e s ca c st ct , ate a sed, a d e ct c e t t e de ce. T e t a t- e tt d de a be

(1) T e a e d e ;

(2) T e s b e e ;

(3) T e t a e t e .

( ) *Organic light-emitting diode (OLED)* ea s a t - t- e tt de ce t at t ca c s sts a se es a c a e s bet ee 2 e ect ca c tacts (e ect des).

( ) *General service light-emitting diode (LED or OLED)* a ea s a t- e tt d de (LED OLED) a t at:

(1) Is a c s e d ct;

(2) Is te ded e e a se ce a cat s;

(3) Has a ed sc e base;

(4) Has a e a e t es t a 310 e s a d t e t a 2,600 e s; a d

(5) Is ca ab e be e ated at a ta e a e at east a t a t 110 a d 130 ts.

\* \* \* \* \*

■ 3. I 305.5, a a a s (a) (12), (13), a d (14) a e added a d a a a (b) s e sed t ead as s:

Test

§ 305.5 Determinations of estimated annual energy consumption, estimated annual operating cost, and energy efficiency rating, and of water use rate.

(a) \* \* \*

(12) Ge e a Se ce I ca desce t La 430.23( ).

(13) Ge e a Se ce F esce t La 430.23( ).

(14) Med Base C act F esce t La 430.23( ).

(b) U ess t e se ded

■ b. Pa a a (c) s edes ated as  
a a a ( ).  
■ c. Ne a a a s(c), (d), a d(e) a e  
added t ead as s:

**§ 305.15 Labeling for lighting products.**  
\* \* \* \* \*

(b) *General service lamps* E ce at as  
ded a a a a (c) t s  
sect , a c eed d ct t at s a  
e e a se ce a s a be abe ed as  
s:

(1) *Principal display panel content:*  
T e a c a d s a a e t e  
d ct ac a e s a be abe ed c e a  
a d c s c s t t e  
at :

( ) T e t t eac a a  
c ded t e a c a e, e e s s e d as  
"B t ess" a e a e t a e s  
ded t t e e a e s t e ; a d

( ) T e e s t a t e d a a e e c s t  
eac a c ded t e a c a e,  
e e s s e d as "E s t a t e d E e C s t"  
d a s a d b a s e d s a e 3 s  
e d a a d 11 c e t s (\$0.11) e W .

(2) *Principal display panel format:*  
T e t t t (b) t e s s a d e t  
c s t s a a a e a t a t d e a d t  
e e a c a t a d c s a c s e s s  
t e a c a d s a a e t e  
d ct ac a e. T e at, t e s,  
s a e c c a t s, a d s e s s a  
s e s d s a e d P t t e L a b e 5  
A a e d L.

(3) *Lighting Facts label content:* T e  
s d e e a d s a a e t e a d ct  
a c a e s a be abe ed c e a a d  
c s a c s t a L t F a c t s  
a b e t a t c t a s t e  
at t e d e :

( ) T e t t eac a a  
c ded t e a c a e, e e s s e d as  
"B t ess" a e a e t a e s  
ded t t e e a e s t e ;

( ) T e e s t a t e d a a e e c s t  
eac a c ded t e a c a e  
b a s e d t e a e a e t a t t a e, a  
s a e a t e 3 s e d a a d 11  
c e t s (\$0.11) e W a d e a a t  
t e t a s s t a t e d P t t e L a b e 6  
A a e d L;

( ) T e e, a s d e e d 305.2( ),  
eac a c ded t e a c a e,  
e e s s e d e a s d e d t t e  
e a e s t t e t (b a s e d 3 s  
e a t e d a );

( ) T e c e a t e d c t e a e a t e  
eac a c ded t e a c a e,  
a s e a s e d d e e s K e a d  
e e s s e d as "L t a a e a c e" a d b  
a b e a d a a e t e  
a s c a e a s s t a t e d P t t e L a b e  
6 t A a e d L a c e d a t a t a t  
t e s c a e e e t e e t e d e a s  
2,600 K a d t e t e d e a s 6,600  
K;

( ) T e a t t a e, a s d e e d  
305.2( ), eac a c ded  
t e a c a e, e e s s e d a s e e s e d  
a e a e t a t t a e;

( ) T e E N E R G Y S T A R  
a s  
s t a t e d P t t e L a b e 6 t  
A a e d L a e d d c t s,  
d e s e d b t e a a c t e . O  
a a c t e s t a t a e s e d a  
M e a d U d e s t a d t  
t e D e a t e t E e t e  
E e t a P t e c t A e c a  
a d d t e E N E R G Y S T A R t a b e s  
a c e e d d c t s ; s c  
a a c t e s a a d d t e E N E R G Y  
S T A R t a b e s t s e  
d c t s t a t a e c e e d b t e  
M e a d U d e s t a d ;

( ) T e d e s t a e eac a a  
c ded t e a c a e, t e t a  
120 t s ;

( ) F a e e a s e c e a a  
c t a e c , t e  
s t a t e e t :  
"C t a s M e c F e c e a  
a a d s a e d s a s a , s t e a . / c ."  
T e a a c t e a a s a t a  
"H [ E c c e d ]" s b t e a b e  
a t e t e t e "C t a s M e c " ; a d  
( ) N a s a t t e  
t a t a t s a e c e d t s a a t s a  
a a e a t e L t F a c t s a b e .

(4) *Standard Lighting Facts label format:* E ce at as ded a a a a

(b)(5) t s s e c t , at  
s a e c e d a a a a (b)(3) t s  
s e c t s a b e e s e t e d c e e d  
a a a c a e s t e at, t e s,  
e a a a t t e t, s a e c c a t s, a d  
s e s a s s P t t e  
L a b e s 6 A a e d L a d c s s t e t  
a t a d e t a t t S a e  
L a b e s 10, 11, 12 A a e d L. T e  
t e t a d e s s a b e a b a c  
c t a e, a t e d a t e t e  
e t a c t a s t b a c d  
e e e a c t c a .

( ) T e L t F a c t s at  
s a b e s e t a b b s e  
a e s a d s a b e a b a c e  
c t a e, a t e d a t e t e  
e t a c t a s t b a c d  
e e e a c t c a .

( ) A at t t e  
L t F a c t s a b e s a t t e:  
(A) A a a e a e t t e s t e ;  
(B) U a e a d e c a s e e t t e s ;  
(C) L e a d a s d c a t e d P t t e  
L a b e 6 A a e d L ;  
(D) L e t t e s t a t e e t c ;  
(E) T e b a d a e s e a a t  
at a s s t a t e d P t t e  
L a b e s 6 A a e d L ; a d  
(F) T e t s e s a d e  
t c e s s e s a s s t a t e d P t t e  
L a b e 6 A a e d L .

(5) *Lighting Facts format for small packages.* I t e t t a s a c e a e a t e  
d ct ac a e a a b e a b e s

e s s t a 24 s a e c e s a d t e  
a c a e s a e s e c a t  
a c c d a t e t e s t a d a d a b e  
e e d b a a a (b)(4) t s  
s e c t , a a c t e s a a d e t e  
at s a e c e d a a a a

(b)(3) t s s e c t s a s a e ,  
e a a b e t e at, t e s,  
e a a a t t e t, s a e c c a t s, a d  
s e s s e s s t a t e d P t t e  
L a b e 7 A a e d L .

(6) *Bilingual labels.* T e at  
e e d b a a a a s (b)(1) t

(5) t s s e c t a b e e s e t e d  
a s e c d a a e e t e b s  
s e a a t e a b e s e a c a e  
a b a a b e t t e E s t e t  
t e at e e d b t s s e c t  
e d a t e e d b t e t e t t e  
s e c d a a e. S a e L a b e 13  
A a e d L a d e s a e a e a  
b a L t F a c t s a b e . A  
e e d at s t b e c d e d  
b t a a e s. N e c c a a c t e s  
t a t a e d e t c a b t a a e s e e d  
t b e e a e a t e d .

(7) *Product Labeling.* A e e a a s e



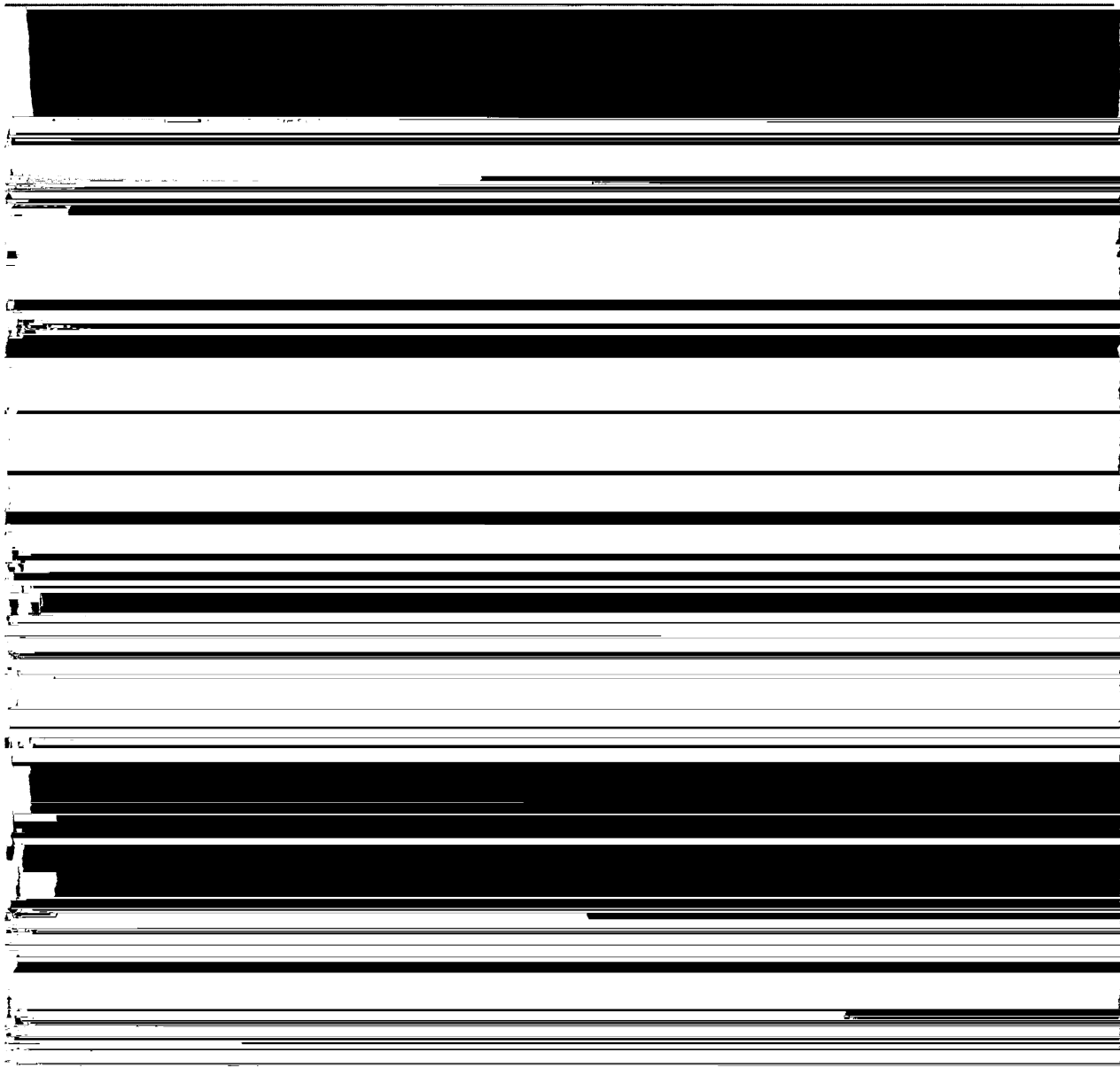
a e.F t e“L t A a a ce”  
d sc s e e ed b 305.15(b)(3)( ),  
t e cata eed d sc se t e  
a 's c e ated c te e at e  
Ke (e.g., 2700 K); a d  
( ) O eac a e st ac eed  
d c t t at s a e e a se ce  
e esce t a a ca desce t  
e ect a a t e at  
e ed b 305.15 t s a t t be  
d sc sed t e a 's a c a e  
abe acc d t t e  
at:  
(A) T e e c ced “E” s a a a  
t eac a e t ; a d

(B) T e acc a state e t  
desc bed 305.15(d)(1) s a a a  
at east ce t e a e.  
\* \* \*  
■ 9.I 305.21, e se a a a (b) t  
ead as s:  
**§ 305.21 Test data records.**  
\* \* \* \* \*  
(b) U a t cat b t e  
C ss ts des ated  
e ese tat e, a a act e  
ate abe e s a de, t 30  
da s t e date s c e est, t e  
de test data c t e

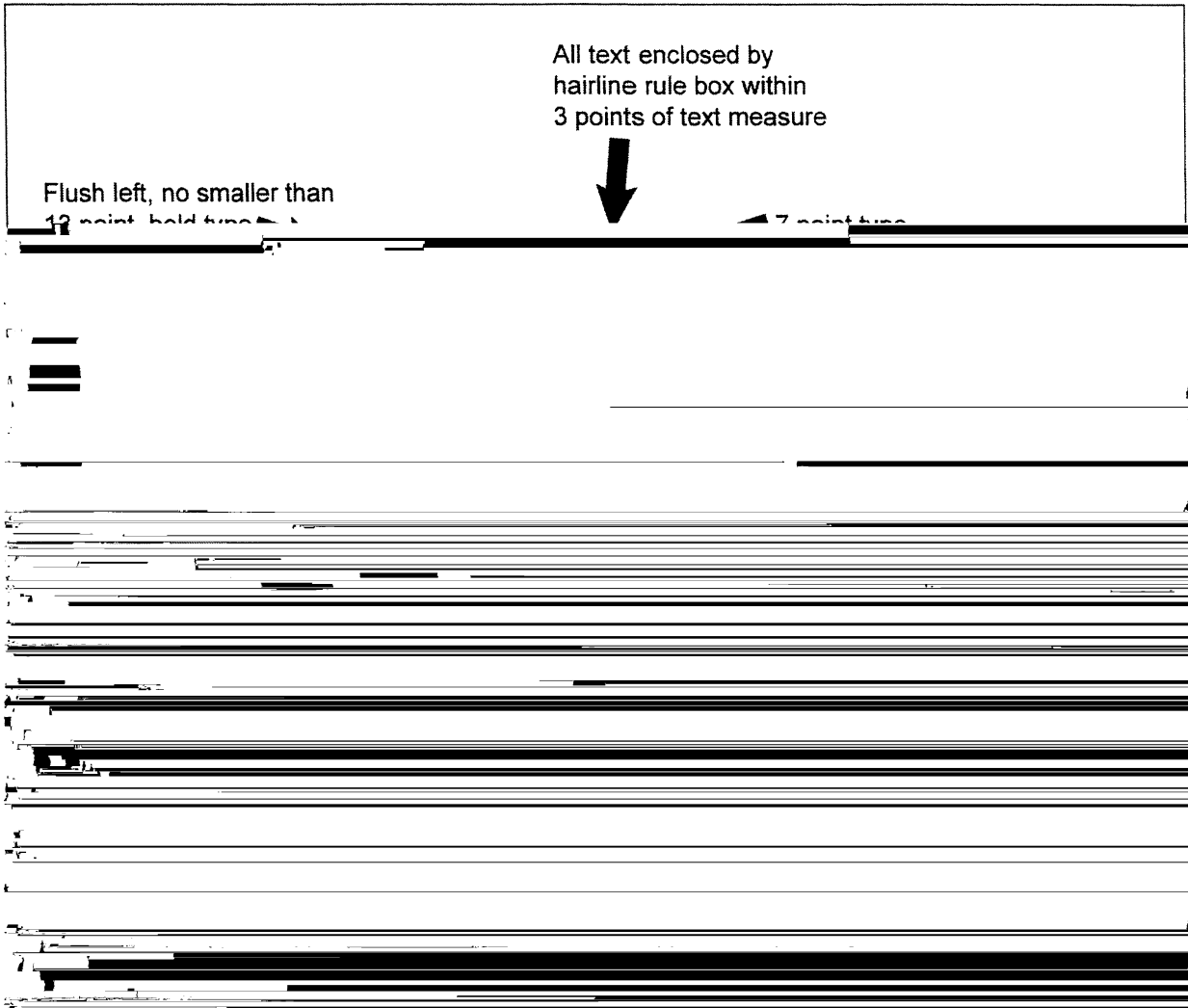
ate se e e c s at ate,  
t e e e e c e c at , t e  
est ated a a c st s eac  
bas c de, t e t t e e  
sa e, c e ated c te at e, a d  
e at s a d, esce t a s,  
t e c e de de, eac bas c  
de a t e e de ed.  
■ 10. A e d a e d Las s:  
■ a. Add P t t e Labe s 5, 6, a d 7  
a te P t t e Labe 4,  
■ b. Re ea a cs abe ed La  
Pac a D sc s es; a d  
■ c. Add Sa e Labe s 10, 11, 12, a d  
13 a te Sa e Labe 9 as s:

A e L 305 eL e

\* \* \* \* \*

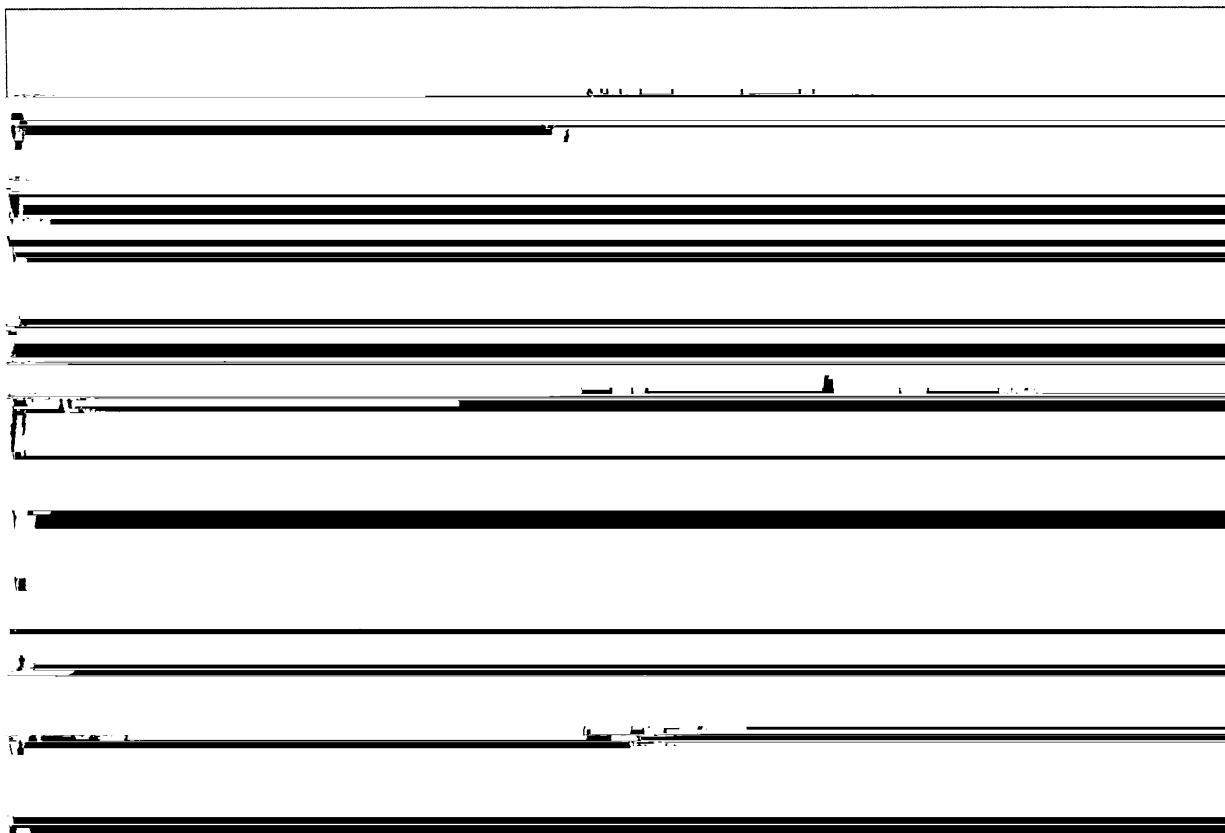


O O E LABEL 5  
F ON ACKAGE DI CLO E FO GENE AL E ICE LAM



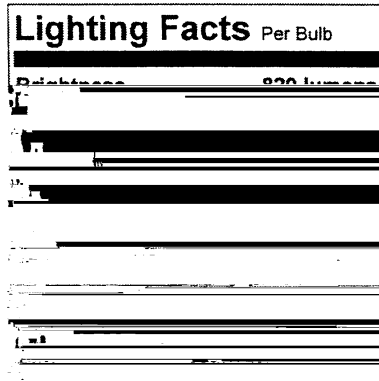
O O E LABEL 6  
LIGH ING FAC LABEL FO GENE AL E ICE LAM ( ANDA D FO MA )



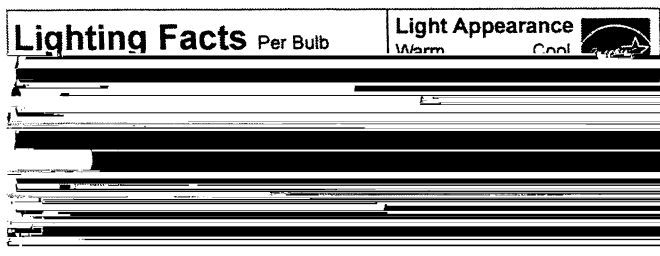


O O E LABEL 7  
LIGH ING FAC LABEL FO GENE AL E ICE LAM CON AINING ME C (LINEA FO MA )

\* \* \* \* \*




AM LE LABEL 10  
LIGH ING FAC LABEL FO GENE AL E ICE LAM NO CON AINING ME C



AM LE LABEL 11

LIGH ING FAC LABEL FO GENE AL E ICE LAM CON AINING ME C ( IDE O IEN A ION)

<b>Lighting Facts</b>	
Per Bulb	
<b>Brightness</b>	870 lumens
<b>Estimated Yearly Energy Cost</b>	<b>\$1.57</b>
Based on 3 hrs/day, 11¢/kWh. Cost depends on rates and use.	
	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	

AM LE LABEL 12

